



Government of Karnataka

Information and Communication Technology (ICT) Workbook

7th

Standard

Level-II



FREE SUPPLY



Karnataka Residential Educational Institutions Society
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ರಾಷ್ಟ್ರಗೀತೆ

ಜನಗಣ ಮನ ಅಧಿನಾಯಕ ಜಯ ಹೇ |
ಭಾರತ ಭಾಗ್ಯ ವಿಧಾತಾ ||
ಪಂಜಾಬ ಸಿಂಧು ಗುಜರಾತ ಮರಾಠಾ |
ದ್ರಾವಿಡ ಉತ್ಕಲ ವಂಗಾ ||
ವಿಂಧ್ಯ ಹಿಮಾಚಲ ಯಮುನಾ ಗಂಗಾ |
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ಜನಗಣ ಮಂಗಳದಾಯಕ ಜಯ ಹೇ ||
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GOVERNMENT OF KARNATAKA



INFORMATION AND COMMUNICATION TECHNOLOGY (ICT)

Workbook



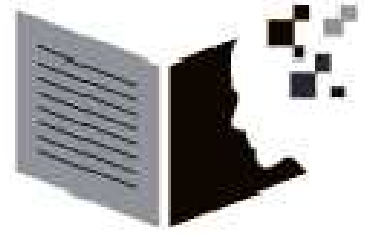
SEVENTH STANDARD

LEVEL II

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CONTENTS



SL.NO	NAME OF THE LESSON	PAGE NO
01	Overview of Level I	01
02	History of computer	04
03	Hardware and Software	07
04	Introduction to Operating System	10
05	DOS and UNIX	13
06	Windows	16
07	LINUX	18
08	Hands on Keyboard	20
09	Using regional languages in Computer	22
10	Projects	24



Chapter **1**

Overview of Level I

Worksheets



I. Circle the following words:

C	E	X	I	T	C	D	S
L	T	S	B	E	F	T	O
I	A	E	A	G	O	N	P
C	S	H	X	R	I	I	E
K	A	J	A	T	E	R	N
O	V	G	D	E	E	P	S
N	E	W	X	L	M	N	O

- 1. NEW 3. SAVE 5. SPEED 7. CLICK 9. EXIT
- 2. STORAGE 4. TEXT 6. PRINT 8. OPEN 10. ERASE

II. Write the missing letters in the word given below:

1. M ___ N I ___ ___ R

2. K ___ Y B ___ A ___ D







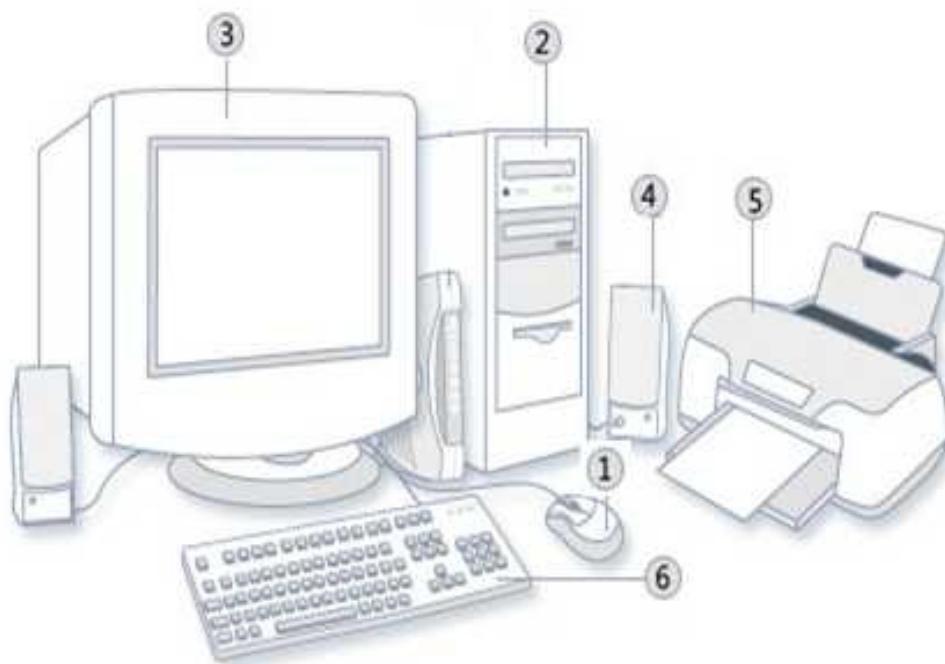
3. M ___ U S ___

4. C ___ U.



III. Match the Following:

SI No	Device	Picture
1.		Biometric
2.		Compact Disk
3.		Speaker
4.		Printer

IV. Identify the parts of Computer.

1. _____

4. _____

2. _____

5. _____

3. _____

6. _____

V. List the Do's and Don'ts with computer.

1. _____

2. _____

3. _____

4. _____

5. _____



History of Computer

Worksheets



I. Fill in the blanks with suitable words :

- _____ is called as the father of computer.
- Napier's bones was developed by _____.
- _____ was a weaving machine that was controlled by punched cards.
- _____ is known as first computer programmer.
- In third generation of computers _____ were used in place of transistors.
- Artificial intelligence was used in _____ generation of computer.

II. Match the following :

- | | | |
|----------------------------|------------------|-------|
| 1. Abacus | Charles Babbage | _____ |
| 2. Pascaline | Third generation | _____ |
| 3. Analytical engine | Fifth generation | _____ |
| 4. Integrated Circuits | Braise Pascal | _____ |
| 5. Artificial intelligence | Wooden frame | _____ |



III. Expand the following:

- E.N.I.A.C - _____
- I.B.M - _____

3. I.C - _____

4. V L S I - _____

IV. Answer the following questions in one or two sentences each:

1. What is Abacus?

2. Write a note on Napier’s bones?

3. Why Charles Babbage is known as the “Father of Computer”?

4. Which materials are used in the first generation of computer?

5. Write any two features of the second generation of Computer?

V. Write a short notes for the following:

1. Jacquard loom.



2. Fifth generation of computer.



1. Make a Poster showing the different generation of computers.
2. Collect the information about
 - a. Abacus
 - b. Ada Augusta.
3. Collect the pictures of current generation computers.



Hardware and Software

Worksheets



I. State the following statements True (✓) or False (✗):

1. We can touch software. []
2. The keyboard is a hardware component. []
3. The operating system is a type of hardware. []
4. The software is affected by computer viruses. []
5. The processed data is called information. []

II. Rewrite the jumbled letters to form a meaningful word:

1. W R S T F O A E - _____
2. S R U E - _____
3. A D R W E R H A - _____
4. S W D I W O N - _____
5. Y S T S M E - _____
6. A N T I P - _____



III. Classify the following as Hardware and Software. Write H/w or S/w.

	H/w or S/w		H/w or S/w
CPU		Tux Paint	
Tux Typing		RAM	
Mouse		Nudi	
Linux		Monitor	
Keyboard		Windows	

IV. Answer the following questions in one or two sentences each:

1. What is Software? Give examples.

2. Define data.

3. List the parts of computer system.

4. Give example for application software.

5. List out the difference between hardware and software.

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1. Collect the pictures of most commonly used Hardware components and make a poster.
2. Prepare a chart, showing the differences between Hardware and Software.



Introduction to Operating System

Worksheets



I. Fill in the blanks with suitable words:

1. _____ Operating system allows one person to operate one program at a time.
2. _____ Operating system allows two or more users to use the computer resources simultaneously.
3. Operating system is a bridge between _____ and _____.
4. The process of starting or restarting the computer is known as _____.
5. _____ is the example for single user operating system.
6. _____ and _____ are two types of user interface.

II. Identify the following operating systems:



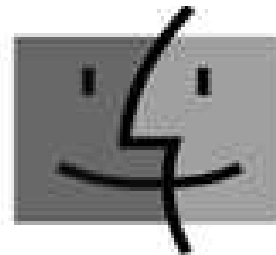
1.



2.



3.



4.

III. Expand the following:

- 1. OS : _____
- 2. GUI : _____
- 3. CUI : _____
- 4. DOS : _____

IV. State the following statements True (✓) or False (✗):

- 1. Without Operating system a computer is a dead machine. []
- 2. The mouse is the main source of input in CUI []
- 3. Windows NT is an example for multi user operating system. []

V. Answer the following questions in one or two sentences each:

- 1. Define Operating system.

- 2. Name the types of Operating system.

- 3. List any four Operating systems.

VI. Answer the following questions in three or four sentences each:

1. List the basic functions of an Operating system.

2. Define Multi user Operating system. Give an example.

3. Define User Interface. List the types of User Interface.

4. List the features of GUI.



1. Find out which operating system is used in your computer lab?
2. Gather information about different operating systems and make a chart showing their name, logo, year, and developer/company.



DOS and UNIX

Worksheets

**I. Fill in the blanks with suitable words :**

1. DOS stands for _____.
2. _____ and _____ are two types of DOS Commands.
3. Internal commands are stored in _____ file.
4. _____ Command is used display the content of the file.
5. UNIX operating system was developed by _____ and _____.
6. Shell programs are also called as _____.

II. Match the Following :

- | | | |
|--------|-------------------------|-------|
| 1. CLS | Rename | _____ |
| 2. pwd | Delete | _____ |
| 3. REN | Clear Screen | _____ |
| 4. wc | Print working Directory | _____ |
| 5. DEL | Word Count | _____ |

**III. Classify the following internal and external commands of DOS:**

ECHO	SORT	REN	CHKDSK
CLS	MD	CD	DEL
EDIT	VER	DATE	TREE

Internal Commands	External Commands

IV. Answer the following questions in one or two sentences each:

1. What is a Command?

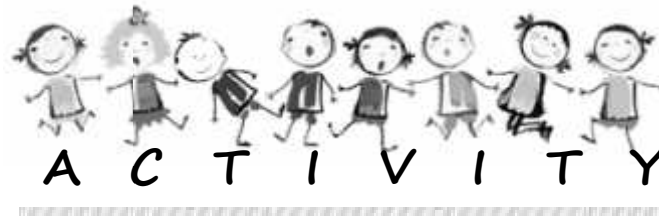
2. Write the steps to open MS-Dos Command Prompt?

3. What is External Command?

4. List some of the popular versions of UNIX.

5. List out the differences between DOS and UNIX.

DOS	UNIX



1. Perform the following tasks in DOS and UNIX using suitable commands.
 - a. Create a text file containing the following data; give your name as the filename.
This is my first text file; Computer Science is my favorite subject.
 - b. Display the content of the file you have created earlier.
 - c. Create a directory named KREIS and create another directory called MDRS inside it.
 - d. Copy the MDRS directory as KRCRS directory
 - e. Change the system time.
2. Make separate charts of DOS & UNIX commands along with their syntax and descriptions and display them in your computer lab.









Windows

Worksheets

**I. Fill in the blanks with suitable words:**

1. The first Windows operating system was released in the year _____
2. Taskbar is located at _____ of the screen.
3. _____ are the small pictures that represent a file, folder, or application.
4. _____ helps to organize files on a computer.
5. _____ is used to change the settings for Windows.

II. Write the names of the following icons:

III. Answer the following questions in one or two sentences each:

1. What is Windows?

2. What is Desktop?

3. List any two uses of Start Menu.

4. Name the Libraries available in windows.

5. Write the steps to create a new folder on the desktop.



1. Sort out the desktop icons by name.
2. Insert a CD, DVD or USB drive and view the files on it.
3. Set the name of your school as the Screen Saver text.
4. Switch primary and secondary mouse buttons.
5. Create your own user account and set an account picture.
6. **Group Activity:** Discuss the real world examples for files and folders.





Linux

Worksheets



I. Fill in the blanks with suitable words:

1. Linux is a _____ based operating system.
2. Linux was created by _____
3. A penguin is called _____ the mascot of Linux.
4. The horizontal bar on top of the Ubuntu desktop is called _____
5. The vertical bar of icons on the left side of the Ubuntu desktop is called _____

II. Answer the following questions in one or two sentences each:

1. Write any three advantages of Linux.

2. List any four distributions of Linux.

3. What is Dash?



1. Open the Calendar by clicking on the Clock in the menu bar, navigate to the exact date you were born, and determine which day was it.
2. Open the Dash, search Calculator and open it. Perform some calculations.
3. Change the desktop background.



Hands on keyboard

Worksheets



I. Can you guess which key I am?



1. You use me to type numbers _____
2. I allow you to write alphabets _____
3. Use me to type numbers _____
4. I allow you to move to the next line _____
5. If you press me you can type capital letters continuously _____
6. I allow you to create blank spaces between two words _____

II. Match the following:

- | | | |
|--------------|-------------------------------------|-------|
| 1. Delete | End of the line | _____ |
| 2. Backspace | Erase the letter after the cursor | _____ |
| 3. Home | Erase the letters before the cursor | _____ |
| 4. End | Beginning of the line | _____ |
| 5. Insert | Overtyping the text | _____ |

III. Answer the following questions in one or two sentences each:

1. List the keys where we normally place our fingers on the keyboard.

- Write the steps to open WordPad.

- List the formatting options available in WordPad.



- Write a letter to your Principal asking two days leave by giving proper reasons.
- Write a poem from your English textbook.
- Fill the keyboard with following colors.

Green for Caps Lock

Blue for Arrow keys

Yellow for Number keys

Orange for Function keys

Pink for Alphabet keys

Red for Enter



- Group Activity:** Divide the class into groups of five each. Each group has to type names of different professions using the computer. Each student in the group can take turns to write the professions. At the end of the exercise, find out which group has the longest list.





Using Regional Languages in Computer

Worksheets



I. Write the Nudi keystrokes for the following Kannada words:

Kannada Word	Nudi Keystrokes
ಮನುಜಮತ	
ವಿಶ್ವಪಥ	
ಸರ್ವೋದಯ	
ಸಮನ್ವಯ	
ಪೂರ್ಣದೃಷ್ಟಿ	

II. Answer the following questions in one or two questions:

1. List the key features of Baraha?

2. Write the steps to lunch Nudi.

3. Why do we need regional languages in Computer?



1. Write a letter in Kannada to your Principal asking two days leave to attend your aunt's marriage.
2. Write an essay in Kannada on any of the following topics
 - a. Morarji Desai
 - b. Kitturu Rani Chennamma
 - c. Ekalavya
 - d. Atal Bihari Vajapeyi
3. Create a chart of Nudi keyboard layout and display it in your lab.





1. Prepare a model of Abacus.
2. Gather the information of Android versions and its features.
3. Prepare a chart of Internal and External DOS commands.
4. Find out the latest version of Windows Operating System and list down the added features of the version.
5. Create a report describing the places that you have visited in your school's educational tour.
6. Collect Kannada folk songs and prepare a report.



Chapter III

FUNDAMENTAL RIGHTS

Article 12-35

1. Right to Equality

The right to equality includes equality before law, prohibition of discrimination on grounds of religion, race, caste, sex or place of birth and equality of opportunity in matters of employment and abolition of untouchability.

2. Right to Freedom

The right to freedom includes freedom of speech and expression; right to assemble peacefully and without arms, formation, association or union; free movement throughout the territory of India; residence and the right to practice any profession or occupation; control and disposal of property.

3. Right against Exploitation

The right against exploitation all forms of forced labor, prohibits child labor and traffic in human beings.

4. Right to Freedom of Religion

The right to freedom of religion contains religious freedom to all. All persons are entitled to freedom of conscience and the right to profess, practice and propagate religion freely.

5. Cultural and Educational Rights

It includes right of any section of the citizens to conserve their culture, language or script and right of minorities to establish and administer educational institutions of their choice.

6. Right to Constitutional Remedies-

This right guarantees the right to constitutional remedies to the citizens for enforcement of their Fundamental Rights.

[Note: The right to property was also one of the fundamental rights, according to the original Constitution. This right was omitted by the 44th Amendment Act in December, 1978. It is now only a legal right.]



ಶ್ರೀ ಸಿದ್ದರಾಮಯ್ಯ
ಸರ್ಕಾರದ ಮುಖ್ಯಮಂತ್ರಿಗಳು

ಕರ್ನಾಟಕ ಸರ್ಕಾರ



ಸಮಾಜ ಕಲ್ಯಾಣ ಇಲಾಖೆ



ಶ್ರೀ ಹೆಚ್. ಅಂಜನೇಯ

ಮಾನ್ಯ ಸಮಾಜ ಕಲ್ಯಾಣ ಮತ್ತು ಹಿಂದುಳಿದ ವರ್ಗಗಳ ಕಲ್ಯಾಣ ಸಚಿವರು ಹಾಗೂ ಅಧ್ಯಕ್ಷರು, ಕ.ವ.ತಿ.ಸಂ.ಸಂಘ

ಪ್ರತಿಭೆಗೆ ಪುರಸ್ಕಾರ

ಸಾಮಾಜಿಕವಾಗಿ, ಶೈಕ್ಷಣಿಕವಾಗಿ, ಆರ್ಥಿಕವಾಗಿ ಹಿಂದುಳಿದ ಗ್ರಾಮೀಣ ಪ್ರದೇಶದ ಪರಿಶಿಷ್ಟ ಜಾತಿ, ಪರಿಶಿಷ್ಟ ವರ್ಗ ಮತ್ತು ಹಿಂದುಳಿದ ವರ್ಗಗಳ ಪ್ರತಿಭಾವಂತ ವಿದ್ಯಾರ್ಥಿಗಳಿಗೆ ಉತ್ತಮ ಗುಣಮಟ್ಟದ ಶಿಕ್ಷಣ ನೀಡುವ ಉದ್ದೇಶದಿಂದ ಕರ್ನಾಟಕ ರಾಜ್ಯ ಸರ್ಕಾರದ ವತಿಯಿಂದ 359 ಮೊರಾರ್ಜಿ ದೇಸಾಯಿ, 115 ಕಿತ್ತೂರು ರಾಣಿ ಚೆನ್ನಮ್ಮ ಮತ್ತು 05 ಅಟಲ್ ಬಿಹಾರಿ ವಾಜಪೇಯಿ ವಸತಿ ಶಾಲೆಗಳು ಸೇರಿದಂತೆ ಒಟ್ಟು 479 ವಸತಿ ಶಾಲೆಗಳನ್ನು ಸ್ಥಾಪಿಸಲಾಗಿದೆ. ಈ ವಸತಿ ಶಾಲೆಗಳಲ್ಲಿ ವಿದ್ಯಾರ್ಥಿಗಳಿಗೆ ಉಚಿತವಾಗಿ ಊಟ, ವಸತಿ ಹಾಗೂ ಗುಣ ಮಟ್ಟದ ಶಿಕ್ಷಣವನ್ನು ನೀಡುವ ಕಾರ್ಯಚಟುವಟಿಕೆಗಳನ್ನು ನಿರ್ವಹಿಸಲಾಗುವುದು.



ವಸತಿ ಶಾಲೆಗಳನ್ನು ಕೇಂದ್ರ ಸರ್ಕಾರದ ಜವಾಹರ್ ನವೋದಯ ಕೇಂದ್ರೀಯ ವಸತಿ ಶಾಲೆಗಳ ಮಾದರಿಯಲ್ಲಿ ಸ್ಥಾಪಿಸಲಾಗಿದೆ, ಹಾಗೂ ಈ ವಸತಿ ಶಾಲೆಗಳು ಸಾಮಾಜಿಕ ಮತ್ತು ಶೈಕ್ಷಣಿಕ ಶೋಷಣೆಗೆ ಒಳಪಟ್ಟ ಜನಾಂಗದವರಿಗೆ ಗುಣಮಟ್ಟದ ಶಿಕ್ಷಣ ನೀಡಿ ಉನ್ನತ ವ್ಯಾಸಂಗಕ್ಕೆ ಅನುಕೂಲ ಮಾಡಿಕೊಟ್ಟು ಸಾಮಾಜಿಕ ಸಮಾನತೆ ಸಾಧಿಸುವ ಉದ್ದೇಶದಿಂದ ಕಾರ್ಯನಿರ್ವಹಿಸುತ್ತಿರುವುದು ಪರಿಷ್ಕರಣೆಯಾಗಿದೆ.

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